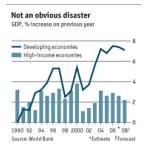
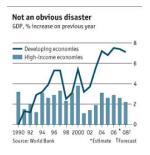
Money ECO 420 Lecture 2.1.

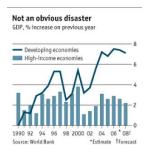
Petar Stankov

petar.stankov@gmail.com

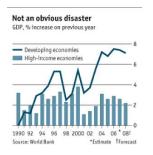
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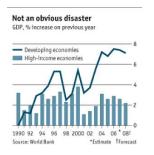




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- 4 Half of mankind (in 40 countries) lives in economies growing at 7%/yr. or more
- Decline in the number of wars and rise in resolved conflicts

Outline

- What is Money?
- 2 Functions of Money
- Measuring Money
- Payment Systems and Their Evolution

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 - liquidity

What is liquidity?

Definition: Liquidity

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Liquidity is the relative ease and speed with which an asset can be converted into a medium of exchange

Advantages and disadvantages of a higher liquidity:

Advantages

- lower costs of transactions
- ...

Disadvantages

- no interest
- inflation eats it up (hyperinflation in BG, 1997)

How do we measure money?

Why is measuring money important?

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Measures of the money (money supply): monetary aggregates

Definition: Monetary Aggregates

Monetary Aggregates are the various measures of money supply used by the central banks around the world

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Three main monetary aggregates:

- M1
- M2
- M3
- MP3s

M1

What is M1?:

What is M1?: Currency and assets that can be used directly as a medium of exchange

Table 1 Measures of the Monetary Aggregates	
	Value as of December 2002 (\$billions)
M1 = Currency	626.5
+ Traveler's checks + Demand deposits	7.7 290.7
+ Other checkable deposits Total M1	$\frac{281.2}{1,206.1}$

M2 and M3

What is M2?:

M2 and M3

What is M3?:

What is M2?: Currency and assets that are very liquid – can be easily turned into cash but are not cash themselves. M2 are the very short-term money market instruments

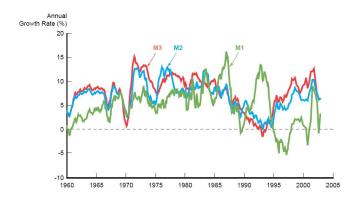
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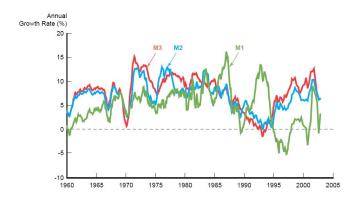
What is M3?: Currency and assets that are less liquid – can not be turned into cash with little cost

M2 = M1	
+ Small-denomination time deposits and repurchase agreements	1,332.3
+ Savings deposits and money market deposit accounts	2,340.4
+ Money market mutual fund shares (noninstitutional)	923.7
Total M2	5,802.5
M3 = M2	
+ Large-denomination time deposits and repurchase agreements	1,105.2
+ Money market mutual fund shares (institutional)	767.7
+ Repurchase agreements	511.7
+ Eurodollars	341.1
Total M3	8,528.2

How do the monetary aggregates move over time?

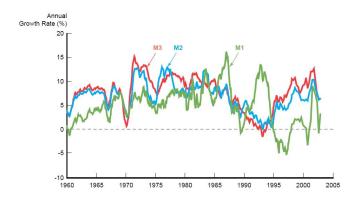


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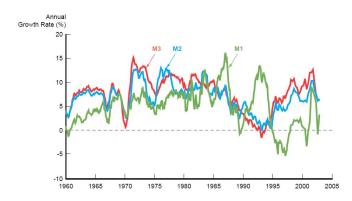
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How do the monetary aggregates move over time?



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- today, the story is more complex

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- until the 1990's move pretty much together
- today, the story is more complex
- money (measurement) matters. Why?

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Evolution of the payment system is evolution of money:

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Evolution of the payment system is evolution of money:

- Commodity money: precious metals or another valuable commodity
- Paper money: a guarantee that the piece of paper was convertible into coins or into a quantity of precious metal
- Fiat money: paper money issued by the government that are generally not convertible into precious metals but everyone accepts them as a medium of exchange
- Checks: an instruction to the bank to pay a specified amount of fiat money to the holder of the check
- E-money: electronic settlement of payment needs

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Can we think of advantages and disadvantages of each form of money?